



## ADVANCED FIRST AID

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

### **CERTIFICATION CLASSIFICATION: *Advanced First Aid***

This certification authorizes the holder to meet standards for emergency care in the coal mining industry required by §45.1-161.199.

### **APPLICATION/EXPERIENCE REQUIREMENTS:**

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
- 24 hour Advanced First Aid course taught by an Advanced First Aid Instructor

### **NOTE: TRANSFER OF EMT/FIRST RESPONDER CERTIFICATION TO ADVANCED FIRST AID MAY BE ACCOMPLISHED BY:**

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
- Provide verification of valid EMT/First Responder certification issued by EMS-VA
- Attend 8 hours Advanced First Aid Reciprocity Training Course conducted by a DM certified Advanced First Aid Instructor
- Hold a General Miner Certification

**EXAMINATION REQUIREMENTS:** The examination for certification in Advanced First Aid requires a passing score of 80% on the written sections of the examination.

<u>ELEMENTS OF EXAM</u>	<u>NUMBER OF QUESTIONS</u>
<b>Section 1</b> (F1) <ul style="list-style-type: none"><li>▪ Respiratory Emergencies, Respiratory System</li><li>▪ Introduction to First Aid</li><li>▪ Wounds</li></ul>	20

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**ELEMENTS OF EXAM****NUMBER OF QUESTIONS****Section 2 (F2)**

20

**Circulatory System**

- Control of Bleeding
- Shock

**Section 3 (F3)**

20

**Musculoskeletal System**

- Abdominal Injuries
- Chest Injuries
- Dislocations
- Face & Throat Injuries
- Fractures
- Head Injuries
- Lower & Upper Extremities Injuries
- Pelvic Injuries
- Spinal Injuries
- Sprains
- Transporting Victims

**Section 4 (F4)**

20

**Accidental Poisonings****Environmental Emergencies**

- Burns
- Cold Exposure
- Stings & Bites

**Emergency Rescue**

- Electrical Circuits
- Hazardous Materials
- Irrespirable Atmosphere
- Machinery Entrapment
- Roof & Rib Entrapment

**Sudden Illness**

- Diabetes
- Epilepsy
- Heart Attack
- Stroke

**NOTE: Each student must successfully complete:**

- Course in Cardiopulmonary Resuscitation (CPR) i.e., heart saver or other four-hour equivalent
- Practical examination which includes forearm, lower leg, spine board

**RECOMMENDED REFERENCE/STUDY MATERIALS:**

- American Red Cross - Emergency Response
- BCME Requirements

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.

**\*4 hours Advanced First Aid continuing education annually will update this certification.**